REMARKS

Claims 3-6 have been amended and new claims 7-10 added to eliminate the multiple dependencies. Examination of this application in light of these amendments is respectfully requested.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version With Markings To Show Changes Made."

The Applicants submit these preliminary amendments for consideration before a first Office Action and request favorable action with respect to this application.

The Office is authorized to charge any underpayment or credit any overpayment to Kenyon & Kenyon Deposit Account No. 11-0600.

Respectfully submitted,

Date: January 18, 2002

John C. Altmiller

Registration No. 25,951

KENYON & KENYON 1500 K Street, N.W., Suite 700 Washington, DC 20005 Tel: (202) 429-1776

Fax: (202) 429-0796

"Version With Markings To Show Changes Made."

IN THE CLAIMS:

Amend the following claims:

3. (Amended) An image pickup system according to claim 1 [or 2], wherein an image pickup plane of said electronic image pickup device has a diagonal length D capable of meeting the following condition (5):

4. (Amended) An image pickup system according to claim 1 [or 2], wherein said image-formation optical system has an image-formation capability that satisfies the following condition (6), and said electronic image pickup device satisfies the following condition (7):

$$1.05 < \varphi_{\mathbf{w}} / P \ X \sqrt{(3.5/N)} < 8 / 0$$
 ...(6)

where ϕ_w is a diameter in mm of a 90% encircled energy of a point spread function by amplitude by an optical system at an f number of F5.6 at substantially the center of an image plane and a wavelength eline, from which a low-pass action due to an optical low-pass filter is eliminated or alternatively, a diameter of the 90% encircled energy at an wide-angle end in the case where said image-formation optical system is a zoom optical system, and P is a pixel pitch in mm of the image pickup device.

- 5. (Amended) An image pickup system according to claim 1 [or 2], wherein said image-formation optical system is a zoom lens including a wide-angle end, in which a half angle of view with respect to a subject on an infinite object point is 36° or greater.
- 6. (Amended) An image pickup system according to claim 1 [or 2], wherein said image-formation optical system is of image-formation capability satisfying the following condition (8):

$$1.5 < \varphi_{\rm w}/P, 8.0$$
 ...(8)

where ϕ_w is a diameter in mm of a 90% encircled energy of a point spread function by amplitude by an optical system at an f number of F5.6 at substantially the center of an image plane and a wavelength eline, from which a low-pass action due to an optical low-pass filter is eliminated or, alternatively, a diameter of the 90% encircled energy at a wide-angle end in the case where said image-formation optical system is a zoom optical system, and P is a pixel pitch in mm of the image pickup device.

Add the following new claims:

7. An image pickup system according to claim 2, wherein an image pickup plane of said electronic image pickup device has a diagonal length D capable of meeting the following condition (5):

8. An image pickup system according to claim 2, wherein said image-formation optical system has an image-formation capability that satisfies the following condition (6), and said electronic image pickup device satisfies the following condition (7):

$$1.05 < \varphi_{\mathbf{w}}/P \ X \sqrt{(3.5/N)} < 8 / 0$$
 ...(6)

where ϕ_w is a diameter in mm of a 90% encircled energy of a point spread function by amplitude by an optical system at an f number of F5.6 at substantially the center of an image plane and a wavelength eline, from which a low-pass action due to an optical low-pass filter is eliminated or alternatively, a diameter of the 90% encircled energy at an wide-angle end in the case where said image-formation optical system is a zoom optical system, and P is a pixel pitch in mm of the image pickup device.

9. An image pickup system according to claim 2, wherein said image-formation optical system is a zoom lens including a wide-angle end, in which a half angle of view with respect to a subject on an infinite object point is 36° or greater.

10. An image pickup system according to claim 2, wherein said image-formation optical system is of image-formation capability satisfying the following condition (8):

$$1.5 < \varphi_{\rm w}/P, 8.0$$
 ...(8)

where ϕ_w is a diameter in mm of a 90% encircled energy of a point spread function by amplitude by an optical system at an f number of F5.6 at substantially the center of an image plane and a wavelength eline, from which a low-pass action due to an optical low-pass filter is eliminated or, alternatively, a diameter of the 90% encircled energy at a wide-angle end in the case where said image-formation optical system is a zoom optical system, and P is a pixel pitch in mm of the image pickup device.